

(ENGLISH TRANSLATION)

Ref. No.: Chichuan No. 09183006965
Date of Receipt: April 26, 2002

FIRST OFFICE ACTION

1. APPLICATION NO.: 89124046
2. TITLE: HIGH RELIABILITY FORENSIC COLOR MARKING SYSTEM
3. APPLICANT: Hewlett-Packard Company
ADDRESS: U.S.A.
4. ATTORNEYS: Patrick I.C. Yun and William W.L. Chen
ADDRESS: 7th Fl., No. 248, Section 3, Nanking East Road, Taipei
5. FILING DATE: November 14, 2000
6. PRIORITY: USSN 09/546247 filed April 10, 2000
7. CONTENTS OF ACTION:
SUBJECT:

This application shall not be granted an Invention Patent pursuant to Article 20.2 of the Patent Law.

REASONS:

1. The invention of this application comprises: encoding system information identifying the printer into an information marker; calculating and encoding the checksum into a checksum information; superimposing at least one encoded forensic marking onto source data; and printing the output data so as to produce marked image.
2. With reference to the description set forth in the Specification, it is noted that in conventional systems, the forensic markings may be small markings in the blank areas of the image. However, since the image may have yellow contents, including forensic markings, the forensic markings superimposed on the image may be corrupted such that the markings cannot be identified. This invention comprises the superimposition of the forensic encoded markings on the checksum for information markers and then printing it out. In order to avoid any significant degradation of the image quality, adjacent forensic markings are offset from each other by one pixel-row. However, the Claims of this invention do not particularly point out encoding methods or forensic methods involved therein, but are defined merely by the words "superimposing" and "checksum," both of which are implicit calculation processes. It is noted that the process for encoding image has been disclosed in the prior art, as evidenced by R.O.C. Patent Publication No. 364957 (published on July 21, 1999), which has disclosed that the encoded image is printed out in transparencies, and thus is identical to the encoding method of this invention. The encoded marking in color in the claimed method may fail to work due to the superimposition of a color filter or a color transparency thereon. Therefore, this invention involves a simple utilization of the prior technology and is readily achievable by those skilled in the art and thus, is devoid of inventive step.

Due to the REASONS set forth above, this application is not in agreement with the provisions in Articles 20.1.1 and 20.2 of the Patent Law and accordingly, shall not be granted an Invention Patent.

Sealed by

Ming-Pang Chen
Director

Note: If dissatisfied with this Office Action, the Applicant may file a Request for Re-examination within 30 days of the day following the date of receipt of this Action.

經濟部智慧財產局專利及駁回審定書

409183006955

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發文日期：中華民國九十一年四月二十四日

發文字號：（九一）智專二（四）05070号

第09183006955

一、申請案號數：089124046

專利分類IPC(7)… B41M 3/14

二、發明名稱：高可靠性的防偽冒彩色標記系統

三、申請人：

名稱：惠普公司

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五、申請日期：八十九年十一月十四日

c:\v9100142.147

六、優先權項目：

1 2000/04/10 美國09/546,247

七、審查人員姓名：成錦華 委員

八、審定內容：

主文：本案應不予專利。

依據：專利法第二十條第二項。

理由：

(一) 本案主要包括：加密辨識印表機之系統資料成為一資料標記；計算資料標記之檢知；加密檢和合成一檢合標記；疊置至少加密防偽冒標記於原始資料上；列印輸出資料，以製造標記。

(二) 本發明之防偽冒標記可如本案說明書所述於影像之空白區列印小的標記，然於影像本身可能已包含如防偽冒標記之黃色影像，於影像及防偽冒標記疊置後，其可能會將標記破壞至無法辨識。本案係將防偽冒之加密標記與資料標記之檢和疊置並列印，且為避免影像之品質下降可使鄰近之防偽冒標記相互以一像素行偏置。惟本案如申請專利範圍並非指一種特定之加密或防偽冒方法，其「疊置」或「檢和」仍為一種內涵（Implicit）的計算方法，而習知加密之影像處理可見如引證附件之我國專利公告三六四九五七號（公開日八十八年七月二十一日），其亦可將影像編碼列印於投影片上，屬於本案之加密，且本案之色彩加密仍具有以濾光片（或有色透明片）疊置而失效情事，故屬習知技術簡單轉用，為熟習該項技術者可輕易完成，不具進步性。

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據上論述，本案不符法定專利要件，爰依專利法第二十條第二項，審定如主文。

局長 陳明邦

依照分層負責規定授權單位主管進行

如不服本審定，得於文到之次日起三十日內，備具再審查理由書一式二份及規費新台幣陸仟元整（專利說明書及圖式合計在五十頁以上者，每五十頁加收新台幣五百元，其不足五十頁者以